## IN THE CLAIMS

Please amend the following claims.

(Amended) A method of forming copper interconnect, comprising:
 forming a copper diffusion barrier layer in at least a damascene structure;
 forming a copper layer over the barrier layer;

removing a portion of the copper layer by chemical mechanical polishing with a slurry comprising a chelating organic acid buffer system, colloidal silica, and a low electrochemical potential oxidizer.

- 2. The method of Claim 1, wherein the oxidizer comprises hydrogen peroxide.
- 3. The method of Claim 2, wherein the chelating organic acid buffer system comprises citric acid and potassium citrate.
- 4. The method of Claim 3, wherein the slurry further comprises a corrosion inhibitor.
- 5. The method of Claim 4, wherein the corrosion inhibitor comprises benzotriazole.
- 6. (Amended) A method of forming copper interconnect, comprising:
  forming a barrier layer over a substrate having at least one trench therein;
  forming a copper seed layer on the surface of the barrier layer;

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forming a copper layer over the barrier and seed layers;

removing a portion of the copper layer by chemical mechanical polishing with a first slurry comprising a chelating organic acid buffer system, colloidal silica, and a low electrochemical oxidizer; and

removing at least a portion of the barrier layer by chemical mechanical polishing with a second slurry comprising a chelating organic acid buffer system, and colloidal silica;

wherein the second slurry is formed without the oxidizer.

- 7. The method of Claim 6, wherein the barrier layer comprises tantalum.
- 8. The method of Claim 7, wherein the chelating organic acid buffer system comprises citric acid and potassium citrate.
- 9. The method of Claim 8, wherein the oxidizer comprises hydrogen peroxide.
- 10. The method of Claim 9, wherein the first slurry further comprises a corrosion inhibitor.
- 11. The method of Claim 10, wherein the first slurry has a pH in the range of 3 to 6, and the corrosion inhibitor comprises benzotriazole.

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